

Title (en)
TEMPERATURE REGULATION SYSTEM FOR ELECTRIC VEHICLES.

Title (de)
TEMPERATURSTEUERUNGSSYSTEM FÜR ELEKTRISCHE FAHRZEUGE.

Title (fr)
SYSTEME DE REGULATION DE LA TEMPERATURE POUR DES VEHICULES ELECTRIQUES.

Publication
EP 0070302 A1 19830126 (EN)

Application
EP 82900719 A 19820118

Priority
US 22571581 A 19810116

Abstract (en)
[origin: WO8202520A1] A temperature regulation system for use in an electric vehicle automatically provides for open-loop and closed-loop operation. In the closed-loop mode, air is forced through the electric motors (10, 12) of the vehicle, and is then delivered to selected components (8, 5, 1) of the vehicle to keep them warm and dry. In the open-loop mode, outside air is allowed to enter the system to prevent overheating of critical components. The system is intended for use in an electric vehicle, such as a fork lift truck, which must alternate between operation in extremely cold environments and operation at normal temperatures.

Abstract (fr)
Un systeme de regulation de la temperature utilise dans un vehicule electrique permet un fonctionnement en boucle ouverte et un fonctionnement en boucle fermee. Dans le mode en boucle fermee, l'air est force au travers des moteurs electriques (10, 12) du vehicule puis est ensuite envoye a des composants selectionnes (8, 5, 1) du vehicule pour les maintenir dans un etat chaud et sec. Dans le mode en boucle ouverte, l'air exterieur peut entrer dans le systeme pour empecher le surchauffage des composants critiques. Le systeme est destine a etre utilise dans un vehicule electrique, tel qu'un chariot eleveur a fourche qui doit fonctionner alternativement dans des conditions de froid extreme et a des temperatures normales.

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